

No.

7900040



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Speight Seed Farms, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS OF THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

TOBACCO

'Speight G-52'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 11th day of March in the year of our Lord one thousand nine hundred and eighty.

Attest:

Samuel H. Lee
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

W. B. Berry
Secretary of Agriculture



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

FORM APPROVED
OMB NO. 40-R3822

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY SPEIGHT G-52		1b. VARIETY NAME SPEIGHT G-52		FOR OFFICIAL USE ONLY PV NUMBER 7900040	
2. KIND NAME Flu-cured Tobacco		3. GENUS AND SPECIES NAME Nicotiana Tobacum		FILING DATE 1-25-79	TIME 4:00 P.M.
4. FAMILY NAME (BOTANICAL) Solanaceal-Night Shade		5. DATE OF DETERMINATION December 1977		FEE RECEIVED \$ 500.00 \$ 250.00	DATE 1-25-79 12-7-79
6. NAME OF APPLICANT(S) Speight Seed Farms, Inc.		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) RFD 1 P. O. Box 507 Winterville, NC 28590		8. TELEPHONE AREA CODE AND NUMBER (919) 756-0718	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation			10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION North Carolina		11. DATE OF INCORPORATION 1-1-72
12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: M. L. Grimsley Speight Seed Farms, Inc. P. O. Box 507, Winterville, NC 28590					

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Novelty Statement.
- ☒ 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- ☒ 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a). (If "Yes," answer 14B and 14C below.)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?	14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED?		
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED		
15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If "Yes," give name of countries and dates.)			
15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If "Yes," give name of countries and dates.)			

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? ☒ YES ☐ NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

December 15, 1978

(DATE)

Mark L. Grimsley - Breeder
(SIGNATURE OF APPLICANT)

Rachel Lyden President
(SIGNATURE OF APPLICANT)

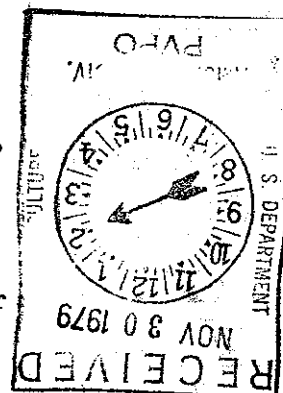
(DATE)

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- 14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.



SPEIGHT SEED FARMS, INC. 7900040

BREEDERS, REGISTERED AND CERTIFIED SEED

TOBACCO SEED - SOYBEANS - HYBRID CORN

BOX 507 • PHONE (919) 756-0718

WINTERVILLE, N. C. 28590

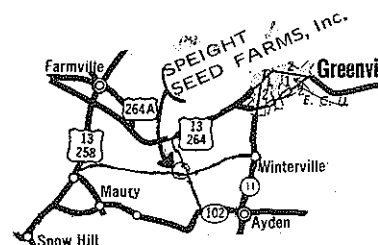
December 5, 1978

12 A Exhibit A

Origin & Breeding History of Speight G-52

1. Speight G-52 originated from a cross between Speight G-28 and Speight G-131. Speight G-131 was from a cross between NC 95 and Oxford 1-181.
2. This cross was made in the summer of 1968 and was grown out as an F-1 in 1969. Results of this cross was named or numbered breeding line R-3.
3. Individual plant selections were made in our disease infested nurserys through the fifth generation; at this time, R-3 became stable.
4. Variants during this period were mostly two off types; one a narrow stringy, and the other a very large fan shaped leaf type with leaves growing upright.
5. The true type selected was similar to Speight G-28, low growing with wider leaf spacing, and more body.
6. The breeding line R-3 was then named Speight G-52 and entered in the North Carolina Official Variety Test in 1974.

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GOOD SEED OF AN ADAPTED VARIETY IS THE FOUNDATION OF A GOOD CROP

Speight Seed Farms, Inc.

BREEDERS, REGISTERED AND CERTIFIED SEED

TOBACCO SEED - SOYBEANS - HYBRID CORN

BOX 507 • PHONE (919) 756-0718

WINTERVILLE, N. C. 28590

June 11, 1979

Mr. Joseph J. Higgins
Examiner, Plant Variety
Protection Office
USDA, AMS
Livestock, Poultry, Grain and Seed Division
National Agricultural Library Building
Beltsville, MD 20705

Dear Mr. Higgins,

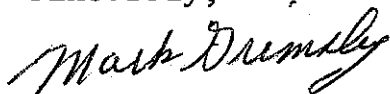
Subject: Tobacco Application No. 7900040, "Speight G-52"

Your letter dated February 28, 1979 refers. Would you please insert "yes" to 13A.

Regarding Exhibit A, no specific variants have been found in this variety. The morphological appearance and agronomic performance remained stable from the F5 to F9 generations i.e. from 1974 to 1978. In regards to the novelty statement and particulars of trial performance we wish to amend Exhibits B and D with the enclosed information.

I hope these amendments will answer the queries raised by your letter.

Sincerely,

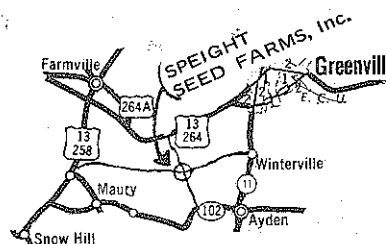


Mark Grimsley

MG/dn



GOOD SEED OF AN ADAPTED VARIETY IS THE FOUNDATION OF A GOOD CROP



3

12 B (now 13B) Exhibit B

Novelty Statement of Speight G-52

Name: Speight G-52
 Pedigree: Speight G-28 x Speight G-131

1. Speight G-52 most closely resembles Speight G-28. It reaches flowering at about the same time (65 days¹). However, it carries fewer leaves (18.3 vs. 19.0¹) on a similarly sized stalk (39 inches¹) and consequently the internodes are slightly wider spaced (2.15 inches vs. 2.06 inches¹). The difference in leaf number is significant in some years and in some localities. For example, in 1978, the average leaf numbers for five locations in the NC Official Variety Test were as follows:

<u>Variety</u>	<u>Leaf per Plant</u>
Speight G-52	20.0
Speight G-28	21.4

L. S. D. (0.05) 1.0

Speight G-52 generally yields more saleable leaf, than Speight G-28 (2870 vs. 2768 lb/acre¹), its nicotine concentration is always higher (3.51% vs. 2.92%¹) and it is susceptible to rootknot nematode while Speight G-28 is resistant.

¹Data taken from the average for the 1974, 1975, 1977, and 1978 NC Official Variety Tests, each based on five locations. (G-52 was not tested in the NC Official Variety Test in 1976, but was tested in the Regional Small Plot and Regional Farm Test in 1977). G-28 was not compared in the Regional Test. I will attach this information.

In the 1975, NC Official Variety Test, averaged over five locations, Speight G-52 yielded significantly more than S Speight G-28.

<u>Variety</u>	<u>Yield, lb/acre</u>
Speight G-52	3116
Speight G-28	2825
L. S. D. (0.05)	235

In the same trials for 1975, 1977, and 1978 Speight G-52 had significantly higher concentrations of nicotine than Speight G-28.

	<u>Nicotine %</u>		
<u>Variety</u>	<u>1975</u>	<u>1977</u>	<u>1978</u>
Speight G-52	3.76	4.14	3.28
Speight G-28	2.99	3.57	2.54
L. S. D. (0.01)	0.43	0.46	0.37

FORM GR-470-31
(12-16-74)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICEOBJECTIVE DESCRIPTION OF VARIETY
Tobacco (*Nicotiana tabacum*)

NAME OF APPLICANT(S) Speight Seed Farms, Inc.	VARIETY NAME OR TEMPORARY DESIGNATION SPEIGHT G-52
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) Box 507 Winterville, NC 28590	FOR OFFICIAL USE ONLY PVPO NUMBER 7900040

Place the appropriate number that describes the varietal character in the boxes below.
Place a zero in first box (e.g. or when number is either 99 or less or 9 or less.

1. CLASS:

<input checked="" type="checkbox"/> 1 - FLUE-CURED	<input type="checkbox"/> 2 - FIRE-CURED	<input type="checkbox"/> 3 - AIR-CURED	<input type="checkbox"/> 4 - CIGAR FILLER	<input type="checkbox"/> 5 - CIGAR BINDER	<input type="checkbox"/> 6 - CIGAR WRAPPER
<input type="checkbox"/> 7 - MISCELLANEOUS-DOMESTIC	<input type="checkbox"/> 8 - FOREIGN-CIGAR LEAF	<input type="checkbox"/> 9 - FOREIGN-NON-CIGAR LEAF			

<input type="checkbox"/> AIR-CURED:	<input type="checkbox"/> 1 - BURLEY	<input type="checkbox"/> 2 - MARYLAND	<input type="checkbox"/> 3 - DARK AIR-CURED
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STANDARD VARIETIES

01 - NC 95	02 - NC 2326	03 - COKER 319	04 - HICKS	05 - SPEIGHT G-28	06 - SC 58
07 - Ky 151	08 - BURLEY 21	09 - BURLEY 49	10 - Ky 10	11 - MARYLAND 609	12 - Ky 165
13 - Pennbel 69	14 - HAVANA 503	15 - FLORIDA 17	16 - OTHER		

2. MATURITY (Transplant to 50% plants 1 Fl.) (Select code from Standard Varieties listed above)

<input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="3"/> NO. OF DAYS	<input type="text" value="0"/> <input type="text" value="0"/> DAYS EARLIER THAN...	<input type="text" value="0"/> <input type="text" value="5"/>
	<input type="text" value="0"/> <input type="text" value="0"/> DAYS LATER THAN....	<input type="text" value="0"/> <input type="text" value="5"/>

3. SEEDING TO TRANSPLANTING (Select code from Standard Varieties listed above)

<input type="text" value="7"/> <input type="text" value="6"/> NO. OF DAYS	<input type="text" value="0"/> <input type="text" value="4"/> DAYS EARLIER THAN...	<input type="text" value="0"/> <input type="text" value="5"/>
	<input type="text" value=""/> <input type="text" value=""/> DAYS LATER THAN....	<input type="text" value=""/> <input type="text" value=""/>

4. PLANT HEIGHT (After topping) (Select code from Standard Varieties listed above)

<input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="6"/> CM TALL	<input type="text" value=""/> <input type="text" value=""/> CM SHORTER THAN.....	<input type="text" value=""/> <input type="text" value=""/>
	<input type="text" value="0"/> <input type="text" value="2"/> CM TALLER THAN.....	<input type="text" value="0"/> <input type="text" value="5"/>

5. LEAF SIZE (At leaf maturity) (Select code from Standard Varieties listed above)

<input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="3"/> LENGTH CM 5TH LEAF	<input type="text" value="5"/> <input type="text" value="5"/> <input type="text" value="5"/> CM 10TH LEAF	<input type="text" value="5"/> <input type="text" value="5"/> <input type="text" value="4"/> CM 15TH LEAF
<input type="text" value="2"/> <input type="text" value="3"/> CM SHORTER THAN.....	<input type="text" value="0"/> <input type="text" value="5"/>	<input type="text" value="5"/> <input type="text" value="5"/> CM SHORTER THAN.....
<input type="text" value="3"/> <input type="text" value="6"/> CM SHORTER THAN.....	<input type="text" value="0"/> <input type="text" value="5"/>	<input type="text" value="3"/> <input type="text" value="6"/> CM SHORTER THAN.....
<input type="text" value=""/> <input type="text" value=""/> CM LONGER THAN.....	<input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> CM LONGER THAN.....
<input type="text" value=""/> <input type="text" value=""/> CM LONGER THAN.....	<input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> CM LONGER THAN.....
<input type="text" value="2"/> <input type="text" value="4"/> <input type="text" value="4"/> WIDTH CM 5TH LEAF	<input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="0"/> CM 10TH LEAF	<input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="4"/> CM 15TH LEAF
<input type="text" value="4"/> <input type="text" value="6"/> CM NARROWER THAN.....	<input type="text" value="0"/> <input type="text" value="5"/>	<input type="text" value="3"/> <input type="text" value="6"/> CM NARROWER THAN.....
<input type="text" value="3"/> <input type="text" value="0"/> CM NARROWER THAN.....	<input type="text" value="0"/> <input type="text" value="5"/>	<input type="text" value="4"/> <input type="text" value="6"/> CM NARROWER THAN.....
<input type="text" value=""/> <input type="text" value=""/> CM WIDER THAN.....	<input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> CM WIDER THAN.....
<input type="text" value=""/> <input type="text" value=""/> CM WIDER THAN.....	<input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> CM WIDER THAN.....

6. LEAF YIELD (Select code from Standard Varieties listed above)

<input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="0"/> KG/HA	<input type="text" value=""/> <input type="text" value=""/> % LESS THAN.....	<input type="text" value="0"/> <input type="text" value="4"/> % MORE THAN.....	<input type="text" value="6"/> <input type="text" value="5"/>
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7900040

FORM GR-470-31 (page 2)

GROUPING:

01 = NC 95

02 = NC 2326

03 = COKER 319

STANDARD VARIETIES

04 = HICKS

05 = SPEIGHT G-28

06 = SC 58

07 = Ky 151

08 = BURLEY 21

09 = BURLEY 49

10 = Ky 10

11 = MARYLAND 609

12 = Ky 165

13 = Pennbel 69

14 = HAVANA 503

15 = FLORIDA 17

16 = OTHER

7. LEAF NUMBER (Select code from Standard Varieties listed above)

TOPPED NORMAL:

2 4 0

NO. PER PLANT

2 4 0

NO. OF LEAVES > 40.6 CM

1 1 5

CM HEIGHT OF LAST LEAF > 40.6 CM

NOT TOPPED:

2 3 0

NO. OF LEAVES OR NODES TO "CROWFOOD" FROM 1ST HARVESTABLE LEAF

8. INTERNODES (Topped) (Select code from Standard Varieties listed above)

6 0

MM LENGTH

MM SHORTER THAN

0 4

MM LONGER THAN

0 5

9. LEAF CHARACTERISTICS:

PETIOLE ANGLE:

3 0

DEGREES

1

GROUPING: 1 = < 35°

2 = 35-45°

3 = 46-65°

4 = > 65°

LEAF CARRIAGE

2

1 = ARCHED (DROOPING)

2 = HORIZONTAL

3 = UPRIGHT

LEAF SHAPE:

3

1 = BROADER THAN LONG

2 = LENGTH EQUALS WIDTH

3 = LONGER THAN BROAD

LEAF COLOR (At topping or when 50% of plants with 1 flower)

2

1 = LIGHT GREEN

2 = GREEN

3 = DARK GREEN

4 = YELLOW-GREEN

5 = YELLOW

TIP SHAPE

2 2

1 = ACUTE

2 = ACUMINATE

3 = OBTUSE

VENATION PATTERN:

2

1 = SQUARE

2 = ANGULAR

LEAF SURFACE

2

1 = SMOOTH (HICKS)

2 = PUCKERED (NC 95)

1

1 = WAVY

2 = NOT WAVY

1

1 = RECURVED

2 = NOT RECURVED

10. FLOWERS:

2

COLOR: 1 = WHITE

2 = PINK

3 = RED

4 = OTHER

FLOWER HEAD HABIT:

2

1 = CLOSED (NC 95)

2 = INTERMEDIATE

3 = OPEN (HICKS)

11. PLANT FORM

2

1 = PYRAMIDAL

2 = COLUMNAR

3 = OTHER (Specify)

12. GROUND SUCKERS:

0 6

NO. PER PLANT

13. DISEASE (0 = Not tested, 1 = Susceptible, 2 = Resistant)

2

BLACK SHANK (RACES)

1 + 0

2

FUSARIUM WILT (NICOTIANA)

0

BLACK ROOT ROT

2

FUSARIUM WILT (BATATAS)

1

BLUE MOLD

0

FROGEYE

0

WILDFIRE (SPECIES)

Tolerant BROWN SPOT

0

BLACKFIRE

2

BACTERIAL WILT

7900040

SPEIGHT
G-52

FORM GR-470-31 (page 3)

13. DISEASE (0 = Not tested, 1 = Susceptible, 2 = Resistant)

<input type="checkbox"/> 0	POTATO VIRUS Y	<input type="checkbox"/> 1	TMV
<input type="checkbox"/> 0	NEMATODE ROOT ROT (LESION, SPECIES) _____	<input type="checkbox"/> 1	ROOT KNOT NEMATODE
<input type="checkbox"/> 0	TOBACCO ETCH VIRUS	<input type="checkbox"/> 0	OZONE AIR POLLUTION
<input type="checkbox"/>	OTHER (Specify) _____	<input type="checkbox"/>	OTHER (Specify) _____

NOTE: Under 16 "Comments", give comparative reaction with a standard variety appropriate for each disease tested and indicate if disease reaction of the variety exceeds, equals or is less than that of the standard).

14. LEAF CONSTITUENTS (Give data for described and standard variety):

VARIETY	NICOTINE %	NOR NICOTINE %	TOTAL NITROGEN %	REDUCING SUGARS % (FLUE-CURED)
SUBMITTED	<input type="text"/> 2 <input type="text"/> 8 <input type="text"/> 7	<input type="text"/> 2 <input type="text"/> 8	<input type="text"/> 2 <input type="text"/> 3 <input type="text"/> 5	<input type="text"/> 15 <input type="text"/> 6 <input type="text"/> 1
STANDARD	<input type="text"/> 2 <input type="text"/> 5 <input type="text"/> 8	<input type="text"/> 1 <input type="text"/> 8	<input type="text"/> 2 <input type="text"/> 2 <input type="text"/> 1	<input type="text"/> 1 <input type="text"/> 7 <input type="text"/> 9 <input type="text"/> 4
NAME OF STANDARD VARIETY	_____			

15. VARIETIES MOST CLOSELY RESEMBLING THAT DESCRIBED FOR THE CHARACTERS GIVEN:

CHARACTER	VARIETY	CHARACTER	VARIETY
MATURITY	G-28	LEAF TIP SHAPE	NC 2326
LEAF LENGTH	NC 95	VENATION PATTERN	G-28
LEAF WIDTH	NC 2326	LEAF SURFACE	NC 95
LEAF CARRIAGE	G-28	LEAF MARGIN	G-28
PETIOLE ANGLE	G-28	LEAF COLOR	G-28
LEAF SHAPE	G-28	PLANT FORM	G-28

16. COMMENTS (For increasing accuracy of description)

Speight G-52 most closely resembles Speights G-28 but differs by producing shorter and narrower leaves with wider spaced internodes. Ground sucker counts are higher and leaves on G-52 carry heavier body with higher yields. Nicotine content is always higher than G-28. Seed heads are more open and G-52 is susceptible to Root Knot Nemotodes with Speight G-28 being Resistant.

SPEIGHT SEED FARMS, INC.

BREEDERS, REGISTERED AND CERTIFIED SEED

TOBACCO SEED - SOYBEANS - HYBRID CORN

BOX 507 • PHONE (919) 756-0718

WINTERVILLE, N. C. 28590

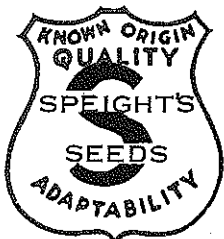
December 5, 1978

12-E Exhibit - E

Statement of the Basis of Applicants Ownership

Name: Speight G-52
Pedigree: Speight G-28 x Speight G-131
Release: December 1977
Owner: Speight Seed Farms

M. L. Grimsley, The Breeder, is an employee of
Speight Seed Farms, Inc.



GOOD SEED OF AN ADAPTED VARIETY IS THE FOUNDATION OF A GOOD CROP

